(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 15 January 2004 (15.01.2004)

PCT

(10) International Publication Number WO 2004/005341 A2

(51) International Patent Classification7:

C07K 14/555

(21) International Application Number:

PCT/DK2003/000426

(22) International Filing Date: 23 June 2003 (23.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/394,120 3 July 2002 (03.07.2002) US 30 September 2002 (30.09.2002) US 60/415,214 60/417,399 9 October 2002 (09.10.2002)

- (71) Applicant (for all designated States except US): MAXY-GEN HOLDINGS LTD. [-/-]; c/o Close Brothers (Cayman) Limited, 103 South Church Street, P.O. Box 1034 GT, Grand Cayman (KY).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): VAN DEN HAZEL, Bart [NL/DK]; Olufsvej 29, DK-2100 Copenhagen (DK). JENSEN, Anne, Dam [DK/DK]; Svanevej 13, DK-2400 Copenhagen (DK). NYGAARD, Frank, Bech [DK/DK]; Ny Strandvej 3A, DK-3050 Humlebæk (DK). ANDER-SEN, Kim, Vilbour [DK/DK]; Karlstads Allé 7, DK-2700 Brønshøj (DK).

- (74) Agent: FUJITA, Sharon; Maxygen Inc., 515 Galveston Drive, Redwood City, CA 94063 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FULL-LENGTH INTERFERON GAMMA POLYPEPTIDE VARIANTS

(57) Abstract: The present invention relates to novel full-length interferon gamma (IFNG) polypeptide variants having interferon gamma activity. The full-length interferon gamma polypeptide variants of the invention are obtained by performing selected modifications in the C-terminal part of the molecule. The full-length interferon gamma polypeptide variants of the invention are useful in therapy, in particular for the treatment of interstitial pulmonary diseases, such as idiopathic pulmonary fibrosis.